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DEPARTMENT OF DEFENSE INFORMATION CENTER ACTIVITIES

Office, Director of Technical Information
Office of Director of Defense Research & Engineering

8 April 1964

Enclosure 1

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FOR OFFICIAL USE ONLY

DEPARTMENT OF DEFENSE INFORMATION CENTER ACTIVITIES

(Press Release #567-64, dated 4 August 1964, refers.)

Chemistry and Chemical Sciences

LS Chemical Propellant Information Agency 0
Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland

Physics and Physical Sciences

DASA Data Center AP
TEMPCO, General Electric Company
735 State Street
Santa Barbara, California

Infrared Information and Analysis Center AP
University of Michigan
Willow Run Laboratories 0
Box 618
Ann Arbor, Michigan

Earth and Related Sciences

LS National Oceanographic Data Center PC
M at 8th Street, S. E.
Washington, D. C.

VELA Seismic Information and Analysis Center (VESIAC) AP
University of Michigan
Box 618 PC
Ann Arbor, Michigan

Biological Sciences

LS Hibernation Information Exchange
c/o Office of Naval Research Branch Office
230 North Michigan Avenue
Chicago, Illinois

Military Entomology Information Service
Walter Reed Army Medical Center
Forest Glen Section
Washington, D. C.

Human Engineering

LS Human Engineering Information and Analysis Services Project
Tufts University
Bolles House
Medford 55, Massachusetts

Materials and Related Sciences

Binary Constitution Information Service
I.I.T. Research Institute
10 West 35th Street
Chicago, Illinois

Ceramics & Graphite Technical Evaluation Section
Research & Technology Division
Wright-Patterson Air Force Base, Ohio

Defense Metals Information Center
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio

Electrical and Electronic Properties of Materials AP RP
Hughes Aircraft Company
Florence Avenue & Teale Street
Culver City, California

Mechanical Properties of Materials
Belfour Engineering Company
Suttons Bay, Michigan

Plastics Technical Evaluation Center (PLASTEC)
Picatinny Arsenal
Dover, New Jersey PC

LS Radiation Effects Information Center
Battelle Memorial Institute
505 King Avenue PC
Columbus, Ohio

Thermophysical Properties Research Center
Purdue University, Research Park
2595 Yeager Road
Lafayette, Indiana

Engineering Sciences

Centralizing Activity for Shock, Vibration and
Associated Environment
U. S. Naval Research Laboratory (Code 4020)
Washington, D. C.

Nondestructive Testing Information Service
Watertown Arsenal
Watertown 72, Massachusetts

Mission-Oriented

LS Ballistic Missile Radiation Analysis Center (BAMIRAC) RP
University of Michigan O
Ann Arbor, Michigan

LS Battelle-Defender Information Center (BDIC)
Battelle Memorial Institute
505 King Avenue
Columbus 1, Ohio

LS Counterinsurgency Information Analysis Center (COIN) AP
c/o American University
Special Operations Research Office
5010 Wisconsin Avenue, N.W.
Washington, D. C.

LS Remote Area Conflict Information Center (RACIC)
Battelle Memorial Institute
505 King Avenue
Columbus, Ohio

END

Chemistry and Chemical Sciences

LS Chemical Propellant Information Agency
Thermochemical Tables, JANAF

Name: Chemical Propulsion Information Agency

Address: Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland

Director: Patrick J. Martin 589-7700

DoD Cognizance:

Mission: Acquire the information and data from government sponsored programs in chemical propulsion technology; organize this information and data in the publications useful to members of the rocket community including government organizations, industrial concerns, universities, institutes and consultants working with chemical rocketry; disseminate chemical propulsion information and data through meetings, briefings, consultation and publications; serve as a central source for chemical propulsion contract information so that duplication in government-funded research and development programs may be minimized; provide the Interagency Chemical Rocket Propulsion Group with status reports in specific areas of research and development to aid managerial decisions; provide technical data in response to inquiries from scientists and engineers engaged in chemical propulsion research and development.

Personnel: Professional - 15; supporting - 16

Funding: FY62 - \$444,000; now \$475,000 (approx.); Navy contract with JHU

Sponsoring
Agencies: Army, Navy, Air Force, ARPA, NASA

Authority: DoD Instruction 5030.24 of 28 November 1962
Navy contract number N0w-62-0604-c

Miscellaneous: Army project 1A222901A211, Element 6.21.29.01.1 (FY65-\$10,000)
1A222901A203

Navy project WF009-06-01, Element (FY65-\$95,000)
WF009-06-02

Air Force project 3058, Element 6.24.05.18.4 (FY65-\$20,000)
3059 \$40,000
3148 \$40,000

ARPA , Element 6.25.12.01.5 (FY65-\$85,000)

Name: Thermochemical Tables, JANAF

Address: Thermal Laboratory
Dow Chemical Company
Midland, Michigan

Director: D.R. Stull

DoD Cognizance: G.V. Mock OX 5-7195
ARPA

Mission: Compile and evaluate data concerning the thermodynamic properties of rocket propellant ingredients and combustion products. Periodic publication of "JANAF Thermochemical Data".

Subject Thermochemical and thermodynamic data and rocket propellant
Coverage: performance.

Personnel:

Funding: FY65 - \$150,000 (Estimated); ARPA transfer to Air Force

Sponsoring
Agencies:

Authority: Air Force contract AF 04(611)-7554(1)

Miscellaneous: Air Force project 3148, task 314804, Program Element 6.24.05.21.4

Physics and Physical Sciences

Advisory Group on Electron Tubes

DASA Data Center

Infrared Information and Analysis Center

Secretariat for Electronic Test Equipment (Project SETE)

Name: Advisory Group on Electron Devices (Secretariat)

Address: 346 Broadway
New York 13, New York

Director: H.W. Serig, Secretary 732-8000, Ext. 535 & 536

DoD Cognizance: R.H. DeWitt OX 5-7261
DDR&E

Mission: Survey and evaluate electron device R&D programs; review and evaluate proposals, projects and programs for DDR&E; provide technical advice on a continuing basis to DDR&E; provide a medium for the interchange of technical R&D information within the DoD, interested agencies of the Federal Government and Government contractors.

Subject Electronics, electron devices, microwave devices, low power
Coverage: devices, high power devices, passive devices.

Personnel: Professional - 8; supporting - 10

Funding: FY64 - \$364,700; Army contract with New York University

Sponsoring
Agencies: Army, Navy, Air Force

Authority: DoD Instruction 5129.39 of 7 August 1961
Army contract DA 28-043 AMC-00039(E)
Monitored by W.P. Kennison
Electron Tube Division
U.S. Army Electronics R&D Lab
Fort Monmouth, New Jersey

Name: DASA Data Center

Address: TEMPO, General Electric Company
735 State Street
Santa Barbara, California

Director: Warren Chan 965-0551, Ext. 501

DoD Cognizance: Col. J.D. Brown, USA OX 7-4227
DASA

Mission: The Center was established in 1961 by DASA to serve as a central collection point and reference center for all technical information pertinent to the effects of high-altitude nuclear explosions on electromagnetic wave propagation and generation. Its services are available to all responsible agencies and individuals conducting scientific investigations in this field. The Center enables rapid access to data from a wide variety of sources; announces, through its own publications, projected data collection programs, theoretical investigations, and experiments; frees other agencies from the responsibility for servicing requests for data; and forms a permanent archive of these data.

Subject Effect of high altitude nuclear explosions on electromagnetic
Coverage: propagation; effect of electromagnetic pulse on electrical and electronic materiel.

Personnel: Professional - 5; supporting - 5 (approx)

Funding: FY65 - \$350,000; DASA contract with GE-TEMPO

Sponsoring
Agencies: DASA

Authority: DASA contract DA-49-146-XZ-078

Miscellaneous: DASA project A6, Program Element 7.60.06.01.5

Name: Infrared Information and Analysis Center

Address: University of Michigan
Willow Run Laboratories
Box 618
Ann Arbor, Michigan

Director: W. Wolfe 663-1511, Ext. 281W

DoD Cognizance:

Mission: A center for the collection, analysis, and dissemination of information on infrared research and technology. The services include the publication of Annotated Bibliographies, state-of-the-art reports, the Proceedings of the Infrared Information Symposia, a classified handbook on military infrared technology, the sponsorship of symposia, and the provision of library and consultation services.

Subject Infrared physics and technology (including such areas as solid
Coverage: state physics, radiation physics and optics, infrared spectroscopy, atmospheric phenomena, information processing, military infrared equipment).

Personnel: Professional - 5; supporting - 3 (110 part-time)

Funding: FY62 - \$165,000

Sponsoring
Agencies: Navy, Air Force, ARPA

Authority: Navy contract Nonr-1224(12)
Air Force contract AF 49(638)-884

Miscellaneous: Navy project number RR002-07-01
Air Force project number 9769, task 976903, Program Element
6.14.15.01.4 (FY65 - \$10,000)
ARPA, Program Element 6.25.03.01.5 (FY65 - \$50,000)

Name: Secretariat for Electronic Test Equipment (Project SETE)

Address: New York University
College of Engineering
Research Division
401 West 205th Street
New York 34, N.Y.

Director: David M. Goodman

DoD Cognizance: J.W. Miller OX 6-1218
Bureau of Ships

Mission: To obtain, tabulate, and disseminate information on electronic
test, checkout, and support equipment.

Subject Coverage: Automatic test equipment and 70 other categories of instruments.

Personnel: Professional - 6; supporting - 6.

Funding: \$150,000 (approx.)

Sponsoring Agencies: Army, Navy, Air Force, NASA

Earth and Related Sciences

Coastal Engineering Research Center

Data Analysis and Technique Development Center

National Oceanographic Data Center

U.S. Naval Observatory

VELA Seismic Information & Analysis Center

Name: Coastal Engineering Research Center

Address: 5201 Little Falls Road, N.W.
Washington, D.C. 20016

Director: Major General R.G. MacDonnell

DoD Cognizance: Corps of Engineers, U.S. Army

Mission: Required by statute to furnish technical assistance in the conduct of beach erosion studies as may be undertaken off the shorelines of the Atlantic and Pacific Oceans, the Gulf of Mexico, the Great Lakes and lakes, estuaries, and bays directly connected therewith, and to review the reports of investigations made. The Center has the additional duty of making general investigations to determine the most suitable methods for the protection, restoration, and development of beaches and of publishing useful data and information on these subjects.

Subject Coverage: Coastal engineering.

Personnel: Professional - 20

Funding: \$800,000/\$1,000,000

Sponsoring Agencies: Army

Authority: Organized under the Chief of Engineers pursuant to River and Harbors Act approved 3 July 1930 (P.L. 520, 71st Congress), as modified by P.L. 166, 79th Congress, approved 31 July 1945, P.L. 826, 84th Congress, approved 28 July 1956, and P.L. 874, 87th Congress, approved 23 October 1962.

Name: Data Analysis and Technique Development Center (DATDC)

Address: United ElectroDynamics, Inc.
Alexandria, Virginia

Director: Dr. VanNostrand

DoD Cognizance: R. Black OX 5-7087
ARPA

Mission: Collect, process and disseminate seismic information (in the form of raw seismic data) for the VELA UNIFORM program. Prepare special reports as required and make initial distribution to VELA UNIFORM community.

Subject Seismic data
Coverage:

Personnel: Professional - 37; supporting - 3

Funding: FY65 - \$2,000,000; ARPA order with United ElectroDynamics

Sponsoring ARPA
Agencies:

Authority: AO 104

Name: National Oceanographic Data Center

Address: M at 8th Street, SE
Washington, D.C. 20025

Director: Dr. Woodrow Jacobs

DoD Cognizance: U.S. Naval Oceanographic Office

Mission: The NODC is primarily a central repository for the Nation's oceanographic data. Part of its mission is: to receive, compile, process, and preserve oceanographic data for rapid retrieval; establish procedures for insuring that the accuracy and general quality of the incorporated data meet the criteria established by the Advisory Board, and prepare data summaries, tabulations, and atlases showing annual, seasonal, and monthly oceanographic conditions.

Subject Coverage: All areas of oceanography; physical, geological and biological and related environments.

Personnel: Professional - 63; supporting - 12.

Funding: FY62 - \$510,000

Sponsoring Agencies: Navy, NSF, Interior, Commerce, AEC

Authority: Interagency agreement executed 23 December 1960

Name: U.S. Naval Observatory

Address: Massachusetts Avenue at 34th St., NW
Washington, D.C.

Director:

DoD Cognizance:

Mission: Make such observations of celestial bodies, natural and artificial, derive and publish such data as will afford to United States Naval Vessels and aircraft as well as to all availing themselves thereof, means for safe navigation, including the provision of accurate time.

Subject: Positional astronomy; celestial mechanics; determination
Coverage: of accurate time

Personnel: Professional - 72; supporting - 9

Funding: FY62 - \$792,700

Sponsoring
Agencies:

Authority: Act of 3 March 1857

Name: VELA Seismic Information & Analysis Center (VESIAC)

Address: University of Michigan , Box 618
Ann Arbor, Michigan

Director: Thomas Caless 663-1511, Ext 294W

DoD Cognizance: Fred Koether OX 7-8904
ARPA

Mission: Collect, process & disseminate seismic and related information for the VELA UNIFORM program. Analyze this information and issue technical summaries and state-of-the-art reports. Prepare a compendium, bibliographies, information digest and monographs. Provide information center services to VELA UNIFORM community working in the detection of underground explosions.

Subject Coverage: Military seismics; seismology, subsurface explosions (including nuclear); ground noise; microseisms; artificial earthquakes; elastic waves; geological structure; ground movement instrumentation and detection; ocean bottom seismics.

Personnel: Professional - 9

Funding: FY65 - \$217,000; ARPA order with the University of Michigan

Sponsoring Agencies: ARPA

Authority: ARPA order SD-78

Miscellaneous: Program Element 6.25.06.01.5

Biological Sciences

Hibernation Information Exchange

Military Entomology Information Service

National Index of Fungus Cultures

Name: Hibernation Information Exchange

Address: c/o Office of Naval Research Branch Office
230 North Michigan Avenue
Chicago, Illinois

Director: Dr. Albert R. Dawe

828-6065

DoD Cognizance:

Mission: To further the study of natural hibernation, particularly as it is known to occur in mammals. To provide rapid worldwide exchange of information between experts in hibernation.

Subject Mammalian hibernation and all related torpidities and dormancies
Coverage: in living creatures; sleep; hypothermia.

Personnel: Professional - 1; supporting - 1 (part-time)

Funding: FY62 - \$985

Sponsoring
Agencies:

Authority: Chief of Naval Research, 1959

Name: Military Entomology Information Service

Address: Walter Reed Army Medical Center
Forest Glen Section
Washington, D.C. 20012

Director: Captain J.D. DeCoursey, MSC, USN Code 198, Ext. 5365, 5366

DoD Cognizance: Armed Forces Pest Control Board

Mission: To prepare and maintain entomologic information by geographic areas of active or probable military interest for distribution as required to military organizations; respond to requests from individuals or organizations for specific information on military entomology; automatically distribute periodically new accessions or bibliographic citations of selected accessions to individuals whose fields of interest are made known to the AFPCB; and furnish duplicate copies of reprints on entomologic (or allied) subjects not available from Defense Documentation Center or library facilities to military units.

Subject
Coverage: Military medical entomology and engineer entomology

Personnel: Professional - 3

Funding: FY65 - \$65,000; in-house Army

Sponsoring
Agencies: Army

Authority: DoD Directive 5154.12, dated 21 August 1962

Miscellaneous: Army project number 3A025601A806, Program Element 6.21.56.01.1

Name: National Index of Fungus Cultures

Address: Pioneering Research Division
U.S. Army Natick Laboratories
Natick, Massachusetts 01762

Director: Dr. Emory G. Simmons, Head, Mycology Laboratory

DoD Cognizance: U.S. Army Materiel Command

Mission: Locating, accessioning, coding and retrieving information on living fungus isolates maintained in U.S. laboratories. Characteristics of pure fungus cultures; identify, physiologic and morphologic characteristic uses (research, industrial, developmental), and sources. Serves as agent in locating fungus strains having specialized biological characteristics.

Subject Coverage: Mycology, micro-biology, bio-chemistry of micro-organisms

Personnel: Professional - 2 (not funded under this activity)

Funding: FY65 - 5,000; in-house Army

Sponsoring Agencies: Army

Authority: Army research task 1K012501A031-03

Miscellaneous: Program Element 6.11.25.01.1

Human Engineering

Engineering Design Handbook

Human Engineering Information and Analysis Services Project

Name: Engineering Design Handbook, U.S. Army

Address: U.S. Army Research Office (Durham)
Box CM, Duke Station
Durham, North Carolina 27706

Director: Mr. Allen P. Blade

DoD Cognizance: R&D Directorate, U.S. Army Materiel Command

Mission: To provide a coordinated series of handbooks containing basic information and fundamental data useful in the design and development of Army equipment and weapons systems. Other special texts as assigned.

Subject Coverage: Ammunition and explosives; guns, ballistics, ballistic missiles, surface-to-air missiles; warheads, carriage and mounts, armament engineering, servomechanisms, fire control, automotive, materials, experimental statistics, operations research

Personnel: 4 (including 3 from Duke University, a prime contractor for preparation of Handbooks)

Funding: FY65 - \$400,000

Sponsoring Agencies: Army

Authority: AR 70-42 of 31 August 1962

Miscellaneous: Program Element 6.21.32.01.1, Army project 1U823201D582
FY65 - \$100,000
AMC91099-4320.2 M PEMA - FY65 - \$150,000
P2340.11 O&MA - FY65- \$150,000

Name: Human Engineering Information and Analysis Service

Address: Tufts University
Bolles House
Medford 55, Massachusetts

Director: Dr. Paul G. Ronco

776-2100, Ext. 336

DoD Cognizance:

Mission: Document acquisition; abstracting and coding of documents; preparation of indexing or categorizing schemes; and dissemination of human factors information in the form of user products such as an annual annotated bibliography of the literature, special bibliographies covering specific topic areas, and critical reviews of topic areas.

Subject Human engineering and analysis.

Coverage:

Personnel: Professional - 3; supporting - 3

Funding: FY62 - \$30,700; FY65 - \$44,000 (approx); Navy contract with Tufts

Sponsoring

Agencies: Army, Navy

Authority: Navy contract Nonr 494(13)

Miscellaneous: Army project 2T023201A710, Program Element 6.21.32.01.1
(FY65 - \$10,000)
1A024701A121, Program Element 6.21.47.01.1
(FY65 - \$10,000)
Navy project RR006-09-01

Materials and Related Sciences

Binary Constitution Information Service

Ceramics & Graphite Technical Evaluation Section

Defense Metals Information Center

Electrical and Electronic Properties of Materials

Mechanical Properties of Materials

Plastics Technical Evaluation Center

Prevention of Deterioration Center

Radiation Effects Information Center

Thermophysical Properties Research Center

Name: Binary Constitution Information Service

Address: I.I.T. Research Institute
10 West 35th Street
Chicago, Illinois 60616

Director: Dr. Rodney P. Elliott 225-9600

DoD Cognizance: Dr. H. Lipsitt and Dr. L. Bidwell
Aerospace Research Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Critically review all published information on the constitution of binary alloys and publishes critically evaluated tabulations of binary constitutions.

Subject
Coverage: Properties of materials

Personnel: 2 to 3 professional and several technicians

Funding: FY63 - \$55,000 (approx.); contract with IIT
FY65 - \$70,000

Sponsoring
Agencies: Air Force

Authority: Air Force contract number AF 33(616)-7592; renewed for 3 year period at \$160,000.

Miscellaneous: Program Element 6.14.05.01.4
Project Number 7021, Task 702103

Name: Ceramics & Graphite Technical Evaluation Section

Address: Ceramics & Graphite Technical Evaluation Section
Research & Technology Division
Wright-Patterson Air Force Base, Ohio

Director: Samuel Bradstreet

DoD Cognizance: Donald Shinn
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Collects, processes, analyzes and disseminates scientific and technical information on ceramics and graphites. Provides a unified source of collated scientific information related to the science and technology of inorganic nonmetallic refractory materials for structural, nonstructural, electronic and other speciality applications for defense and civilian purposes. Collects, analyzes, evaluates, combines and disseminates technical information on graphites, ceramics, and related materials. Defines deficiencies in available information and recommends greater or lesser effort in pertinent technical programs as appropriate. Products consist of reports, summarizing analyzed and evaluated data, consulting services. Input to the group is from DDC, the scientific literature, foreign technology, and direct contact with the scientific and industrial community.

Subject

Coverage: Ceramics and graphite science and engineering (application).

Personnel: Professional - 3 (in-house); 10 (contract)

Funding: FY65 - \$335,000 (\$250,000 out on contract)

Authority: AF contract AF 33(657)-8326; AF 33(657)-10519; AF 33(657)-10574

Miscellaneous: Program Element 6.24.05.51.4
Project number 7381, Task 738103

Name: Defense Metals Information Center

Address: Battelle Memorial Institute
505 King Avenue
Columbus, Ohio

Director: Roger Runck 299-3191

DoD Cognizance: E. Hayes OX 7-6933
DDR&E

Mission: Collects, processes, and disseminates scientific and technical information on structural metals and closely related Aerospace materials. Performs literature searches. Provides answers to technical questions; information concerning current research and development projects, and scientific or technical data or data compilations upon request. No organized loan service. Makes technical evaluation of the accuracy, quality and significance of information that has already been introduced into the system. Prepares state-of-the-art reviews, correlations of information, etc. Technical consultant services.

Subject Coverage: Properties, fabrication, and applications of titanium, beryllium, magnesium, tungsten, molybdenum, columbium, tantalum, stainless steels, hot-work die steels, low-alloy hardenable steels, nickel-base superalloys, and cobalt base superalloys.

Personnel: Professional - 5 (103 part-time); supporting - 5.

Funding: FY65 - \$1,000,000; Air Force contract with Battelle

Sponsoring Agencies: Air Force

Authority: Air Force contract AF 33(616)-7747

Miscellaneous: Air Force project 8975, Program Element 6.24.05.51.4

Name: Electrical and Electronic Properties of Materials

Address: Hughes Aircraft Company
Florence Avenue & Teale Street
Culver City, California

Director: H. Thayne Johnson 398-2711

DoD Cognizance: R.F. Klinger
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: This program is designed to provide ready access to numerical data relating to the electrical and electronic properties of all materials of importance in today's technology. Data, collected from various literature sources, are evaluated and abstracted and the literature is indexed and cross referenced from the data. The abstracts identify the materials, the experimental equipment used, the procedures employed, and furnish the results in the form of tabular data and graphic illustrations. Abstracts are indexed in a pre-coordinated descriptor system, each term of which is used to automatically post the descriptor cards for later retrieval.

Subject Coverage: Semiconductors, insulators, properties of semiconductors, properties of insulating materials, electronic materials, data processing systems, documentation of electronic properties.

Personnel: Professional - 6

Funding: FY65 - \$250,000; Air Force contract with Hughes

Sponsoring Agencies: Air Force

Authority: Air Force contract AF 33(616)-8434

Miscellaneous: Air Force project 7381, task 738103, Program Element 6.24.05.51.4

Name: Mechanical Properties of Materials

Address: Belfour Engineering Company
Suttons Bay, Michigan

Director: A.J. Belfour 271-3911

DoD Cognizance: Donald Shinn
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Prepares and distributes evaluated data concerning representative strength of aerospace materials. Primarily concerned with design, development & operation of mechanized systems for storage, retrieval, evaluation and presentation of complex technical information. These information system developments are intended for immediate application, utilizing available hardware. Emphasis is placed on current practicality rather than sophistication. A further and basic concept applied to the storage and retrieval of technical information is that the actual technical information content of documents is stored, processed, retrieved and presented. Sources of information (bibliographies, lists of references, etc.) are also derived and presented.

Subject Coverage: Mechanical properties of structural materials with primary emphasis on metals, plastics secondary, including test procedures, material formulation, processing, environments. Statistical evaluation of data.

Personnel: Professional - 10; supporting - 5.

Funding: FY65 - \$175,000; Air Force contract with Belfour

Sponsoring
Agencies: Air Force

Authority: Air Force contract AF 33(657)-11218

Miscellaneous: Air Force project 7381, task 738103, Program Element 6.24.05.51.4

Name: Plastics Technical Evaluation Center (PLASTEC)

Address: Picatinny Arsenal
 Dover, New Jersey

Director: Harry E. Pebly, Jr.

DoD Cognizance: Mr. Norman L. Klein, AMCRD-RC
 Army Materiel Command
 Washington, D.C. 20315

Mission: Collect, exchange, collate, develop, and evaluate technical data
 on plastic materials of interest to the Department of Defense.
 Distribute these data and evaluations of them to DoD activities,
 their designees, or other organizations with demonstrable defense
 supporting interests upon request. Render technical advice and
 assistance on plastics to DoD activities upon request.

Subject
Coverage: Plastic materials of interest to DoD. Emphasis on plastics in
 structural applications, electrical and electronic applications,
 packaging and mechanical (rocket and missile) applications.

Personnel: Professional - 7; supporting - 3.

Funding: FY65 - \$200,000; in-house Army

Sponsoring
Agencies: Army

Authority: Ordnance Corps 18-55-5//6E 16 Jan 1960

Miscellaneous: Army project 1A024401A110, Program Element 6.21.44.01.1

Name: Prevention of Deterioration Center

Address: c/o National Academy of Sciences
National Research Council
Division of Chemistry and Chemical Technology
Washington, D.C. 20418

Director: Dr. Carl J. Wessel

393-8100, Ext.356

DoD Cognizance: Col. A.A. Aines
Army Research Office
Washington, D.C.

Mission: To serve in a consulting and advisory capacity on deterioration problems. To collect information from government, industrial and academic institutions on problems related to the prevention of deterioration of materials and to make such information available in readily usable form to the Office of Naval Research and to such others as may be directed or approved by the Scientific Officer (including all other appropriate parts of the Departments of the Air Force and Army, as well as other federal agencies). To maintain contact with work on prevention of deterioration of materials which is being carried out by the government, particularly the Air Force, Army and Navy. To conduct studies and surveys in the field of deterioration prevention.

Subject

Coverage: Effects of environment on materials and equipment

Personnel: Professional - 20 (approx); supporting - 6

Funding: No plans for DoD funding in FY65.

Sponsoring

Agencies: Prior years - Army, Navy, Air Force

Authority:

Miscellaneous: Army project 2T0232001A710, Program Element 6.21.32.01.1
Navy project RR007-08-02

Name: Radiation Effects Information Center

Address: Battelle Memorial Institute
505 King Avenue
Columbus, Ohio

Director: E.N. Wyler 299-3191, Ext. 2923 or 2354

DoD Cognizance: John Charlesworth
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: Seeks out, collects, analyzes, files and distributes radiation effects information on aerospace materials. Makes available all pertinent engineering data concerned with radiation effects that may be applicable to nuclear-propelled flight vehicles as well as the effects of nuclear weapons-burst radiation and space radiation; defines technical areas in which research should be initiated and calls attention to duplication of research efforts; provides a source of coordinated information for those engaged in research and development in the field of radiation effects. Performs literature searches. Provides answers to technical questions; information concerning current research and development projects; and scientific or technical data or data compilations upon request.

Subject Coverage: Effects of nuclear radiation on materials, components, and systems that might be used in a nuclear-powered airborne weapon system and associated ground support equipment, effects of nuclear bursts, pulsed radiation and space radiation on materials, components, and systems.

Personnel: Professional - 5 (15 part-time); supporting - 5.

Funding: \$200,000 (approx)

Sponsoring Agencies: Air Force, NASA, AEC

Authority: Air Force contract AF 33(616)-7735

Miscellaneous: Air Force project 7381, task 738103, Program Element 6.24.05.51.4 (FY65 - \$100,000)

Name: Thermophysical Properties Research Center

Address: Purdue University, Research Park
2595 Yeager Road
Lafayette, Indiana 47906

Director: Dr. Y.S. Touloukian

DoD Cognizance: Edward Dugger
Materials Laboratory
Wright-Patterson Air Force Base, Ohio 45433

Mission: To provide scientific and technical information based on a critical evaluation of previous data and if necessary new measurements and/or calculations in the chemical, physical properties field; provide authoritative and comprehensive source information on the thermophysical properties of all matter covering the world literature; and to conduct experimental research on new determinations to fill in gaps and to reconcile discordant data of thermophysical properties.

Subject Coverage: Thermophysical properties of substances, all three phases, all substances; seven properties; viscosity, thermoconductivity, thermal diffusivity, diffusion coefficient, specific heat, emissivity, and Prandtl number.

Personnel: Professional - 19

Funding: \$250,000 (approx)

Sponsoring Agencies: Navy, Air Force, BuStds, NSF

Authority: Navy contract Nonr-100(09)
Air Force contract AF 33(657)-10545

Miscellaneous: Navy project RR010-02
Air Force project 7381, task 738103, Program Element 6.24.05.51.4 (FY65 - \$160,000)

Engineering Sciences

Centralizing Activity for Shock, Vibration & Associated
Environment

Nondestructive Testing Information Service

Power Information Center

Name: Centralizing Activity for Shock, Vibration and Associated Environment

Address: U.S. Naval Research Laboratory (Code 4020)
Washington, D.C. 20390

Director: Dr. W.W. Mutch Code 172, Ext. 2220

DoD Cognizance: Melvin Bell, Director of Ordnance OX 7-3459
Office of Director of Defense Research & Engineering
Washington, D.C. 20301

Mission: To serve the Department of Defense and other government agencies and their contractors by the collection, correlation, and dissemination of needed information on the environmental factors shock, vibration, temperature, pressure and radiation.

Subject Coverage: Mechanics, mechanical engineering, shock vibration, temperature, pressure, and radiation.

Personnel: Professional - 3; supporting - 1

Funding: FY65 - \$94,000; in-house activity at the Naval Research Laboratory

Sponsoring Agencies: DoD activity; no funding other than Navy

Authority: RDB Memorandum of 3 October 1949

Miscellaneous: Program Element 6.12.05.01.2
Sub-project RR009-03-45

Name: Nondestructive Testing Information Service

Address: Watertown Arsenal
Watertown 72, Massachusetts WA 4-8540, Ext. 440

Director: John W. Orner

DoD Cognizance: Army Material Research Agency

Mission: Collecting and compiling any information with respect to non-destructive testing from technical reports or magazine articles. Compiling, abstracting, and putting into a quick retrieval system information on non-destructive testing which can be withdrawn rapidly. Represents a service for government installations which send in requests for information on non-destructive testing. Publishes an NDT newsletter.

Subject

Coverage: Nondestructive testing (physics, electronics).

Personnel: Professional - 1 (9 part-time)

Funding: \$40,000 (\$20,000 - retrieval system)

Sponsoring
Agencies:

Authority: OWCR 10-2 Weapons Command

Name: Power Information Center (PIC)

Address: Institute for Cooperative Research
University of Pennsylvania
200 South 33rd Street
Philadelphia, Pa.

Director: Paul S. Balas, Acting 382-8683

DoD Cognizance: Interagency Advanced Power Group

Mission: Abstracts, compiles, and indexes data on government-sponsored research and development programs. Issues information in the form of project briefs containing summaries of such R&D programs in the field of advanced nonpropulsive power.

Subject Coverage: Electrochemical, electromagnetic, mechanical, photoelectric, thermoelectric, thermionic, chemical, nuclear, solar, miscellaneous.

Personnel: Professional - 6; supporting - 6.

Funding: FY65 - \$80,000 (approx)

Sponsoring Agencies: Navy, Air Force, ARPA

Authority:

Miscellaneous: Navy project RR010-04-01 (FY65 - \$35,000)
Air Force project 8173, task 817301, Program Element 6.24.05.21.4 (FY65 - \$25,000)
ARPA Program Element 6.25.15.01.5 (FY65 - \$20,000)

Mission-oriented

Ballistic Missile Radiation Analysis Center

Battelle-Defender Information Center

Counterinsurgency Information Analysis Center

Harbor Defense Information Agency

Over-the-Horizon Data Center

Remote Area Conflict Information Center

Name: Ballistic Missile Radiation Analysis Center (BAMIRAC)

Address: University of Michigan
Ann Arbor, Michigan

Director: Richard Jamron

DoD Cognizance: Fred Koether
ARPA OX 7-8904

Mission: Collect, process and disseminate information on the theory and technology associated with ballistic missile phenomena which may be useful in the design of defense systems. Analyze and evaluate theoretical and experimental results from the radiation measurements program with primary emphasis on the launch and mid-course regime of missile flight. Conduct semi-annual AMRAC symposium and publish and distribute proceedings.

Subject Coverage: Ballistic missiles

Personnel: Professional - 26

Funding: FY65 - \$750,000; contract with the University of Michigan

Sponsoring Agencies: ARPA

Authority: ARPA Order SD-91

Miscellaneous: Program Element 6.25.03.01.5

Name: Battelle-Defender Information Center (BDIC)

Address: Battelle Memorial Institute
505 King Avenue
Columbus 1, Ohio

Director: Margaret Ann Long 299-3191, Ext. 2671

DoD Cognizance: Fred Koether OX 7-8904
ARPA

Mission: Collect, process and disseminate information in all disciplines covering research in defense against ballistic missiles. Provide a functional information system required to monitor existing and proposed work. Perform analyses and undertake studies of critical system problems. Prepare state-of-the-art reports, technical summaries, compendiums and annotated accessions lists. Provide information services to the entire DoD Defender community.

Subject
Coverage: Ballistic missile defense

Personnel: Professional - 3; plus equivalent of 35 man days/month

Funding: FY65 - \$100,000; contract with Battelle Memorial Institute

Sponsoring
Agencies: ARPA

Authority: ARPA Order SD-80

Miscellaneous: Program Element 6.25.03.01.5

Name: Harbor Defense Information Agency

Address: U.S. Naval Research Laboratory, Washington, D.C.

Director:

DoD Cognizance:

Mission: Collect, correlate and disseminate information on harbor defense. Assemble, analyze and evaluate pertinent scientific and military information on existing equipments and plans for harbor defense; appraise urgent needs for research and development; and provide for the interchange of significant scientific and technical information among research, development and operational personnel to prevent unintentional duplication and overlapping of effort.

Subject Detection (surface and subsurface) and communications:
Coverage:

Personnel: Professional - 1; supporting - 1

Funding: FY62 - \$20,000; FY65- \$3,000; in-house at NRL

Sponsoring
Agencies:

Authority: OPNAV ltr/OP314-CFB, 12 Jan 51, to Office of Naval Research

Miscellaneous: Navy project number RF011-04-41

Name: Over-the-Horizon Data Center (OHD)

Address: Stanford Research Institute

Director: Dr. David Johnson

DoD Cognizance: ARPA

Mission: Collect, process and disseminate information on over-the-horizon detection of missile launchings. Conduct quarterly meetings and publish and distribute proceedings to OHD community. Perform literature surveys, analyze and prepare technical summaries and state-of-the-art reports. Publish and distribute OHD newsletter.

Subject

Coverage: Over the horizon detection of missile launchings.

Personnel: Professional - 9

Funding: FY65 - \$350,000; ARPA order with Stanford Research Institute

Sponsoring Agencies: ARPA

Authority: ARPA order SD-66

Miscellaneous: Program Element 6.25.03.01.5

Name: Remote Area Conflict Information Center (RACIC)

Address: Battelle Memorial Institute
505 King Avenue
Columbus, Ohio

Director: John Murdock 299-3191

DoD Cognizance: Fred Koether OX 7-8904
ARPA

Mission: Collect, store and disseminate information concerning remote area conflict, emphasizing the physical and engineering sciences aspects. Provide a quick-response functional information system required to monitor research in counter-insurgency. Perform analyses and issue state-of-the-art reports and technical summaries. Provide information center services to all participants in remote area conflict and Project AGILE.

Subject Coverage: Remote area conflict and counterinsurgency, emphasizing the physical and engineering sciences.

Personnel:

Funding: FY65 - \$254,000; ARPA order with Battelle

Sponsoring Agencies: ARPA

Authority: ARPA order SD-171

Miscellaneous: Program Element 6.25.09.01.5